

[Large Gauge Pneumatic Launcher]

Abstract

A large gauge pneumatic launcher is disclosed to contain an innovative valve and valve chassis that enables said launcher to safely operate at compressed air pressures of 200–1000 psi, and launch large caliber paintball, Non-Lethal Weapon or other projectiles. The invention may be attached to an existing "host" paintball marker as an under-barrel second weapon. The valve and valve assembly may be fitted for use as a stand alone launching platform such as a pneumatic mortar, cannon or other system powered by compressed gas.